

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

台南市仁德區三甲里 59-1 號
59-1, San Chia, Jen Te, Tainan City 71702, Taiwan
TEL: 886-6-266-5000 FAX: 886-6-266-5555~7

WONDERLOY[®] PC-540K

PC/ABS alloy, non-halogen Flame Retardant

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
<u>PHYSICAL</u>				
Specific Gravity	23℃	1.18		ISO 1183
Melt Volume-Flow Rate	260℃/2.16kg	13	cm ³ /10min	ISO 1133
Mold Shrinkage		0.4~0.6	%	ISO 2577
Rockwell Hardness	23℃	R-119	---	ISO 2039-2
CLTE	Flow:23-55℃	8.00E-05	cm/cm/℃	ISO11359-2
<u>MECHANICAL</u>				
Tensile Strength @ Yield	50mm/min	63	Mpa	ISO 527
Tensile Strength @ break	50mm/min	55	Mpa	ISO 527
Tensile Modulus	1mm/min	-	Mpa	ISO 527
Tensile Elongation @ Yield	50mm/min	4	%	ISO 527
Tensile Elongation @ Break	50mm/min	130	%	ISO 527
Flexural Strength	2mm/min	-	Mpa	ISO 178
Flexural Modulus	2mm/min	-	Mpa	ISO 178
Izod Impact (3.2mm)	Notched, 23℃	55	kJ/m ²	ISO 180
Izod Impact (3.2mm)	Notched, -30℃	16	kJ/m ²	ISO 180
Charpy Impact (3.2mm)	Notched, 23℃	55	kJ/m ²	ISO 179
Charpy Impact (3.2mm)	Notched, -30℃	16	kJ/m ²	ISO 179
<u>THERMAL</u>				
Heat Distortion Temp. (unannealed)	4mm,1.82Mpa	86	℃	ISO 75
	4mm,0.45Mpa	95		
Vicat Softening Temp. (unannealed)	1kg, 50℃/hr	112	℃	ISO 306
	5kg, 50℃/hr	105		
<u>ELECTRICAL</u>				
Dielectric Constant	1MHz	3.1	--	IEC 60250
Volume Resistivity	--	3.9E+15	Ohm*m	IEC 60093
Surface Resistivity	--	2.9E+15	Ohm	IEC 60093
<u>FLAMMABILITY</u>				
UL Recognized, 94V-0 Flame Class Rating		1.5 mm		UL-94
UL Recognized, 94-5VB Rating		2.0 mm		UL-94
UL Recognized, 94-5VA Rating		3.0 mm		UL-94

CHIMEI

奇美實業股份有限公司
CHI MEI CORPORATION

台南市仁德區三甲里 59-1 號
59-1, San Chia, Jen Te, Tainan City 71702, Taiwan
TEL: 886-6-266-5000 FAX: 886-6-266-5555~7

PROCESSING PARAMETERS

Drying Temperature	80	°C
Drying Time	3~4	Hrs
Barrel Temperature	240~280	°C
Mold Temperature	50~100	°C

All figures listed here is for reference, not guaranteed.

Final revised date : 2014/12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.